

NANO-ACTUATED MEDICAL DEVICE

Abstract of the Disclosure

A medical device is disclosed which may include the use of nanopaper. The medical device may be provided in the form of a balloon catheter wherein the nanopaper is mounted about an electrode and into which an electrically conductive solution is dispersed. An elastomeric sheath may then be provided about the nanopaper. Actuation of the electrode may cause generation of microbubbles causing the nanopaper to expand.